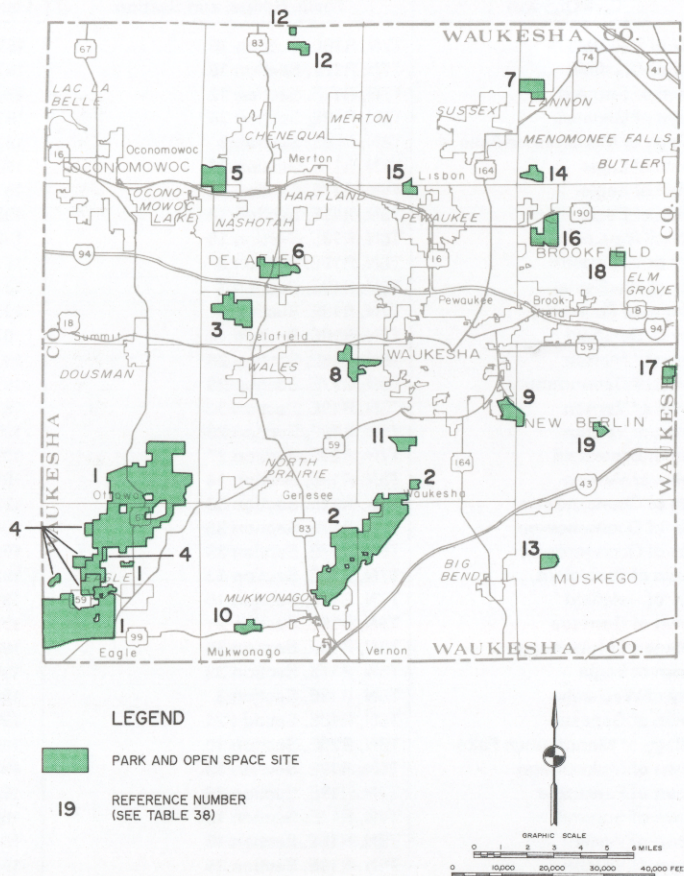


Map 27

**MAJOR PARK AND OPEN SPACE
SITES IN WAUKESHA COUNTY: 1993**



Source: SEWRPC.

significance (NA-1), natural area of countywide or regional significance (NA-2), or natural area of local significance (NA-3). Classification of an area into one of these three categories is based upon consideration of the diversity of plant and animal species and community types present; the structure and integrity of the native plant or animal community; the extent of disturbance by human activity, such as logging, grazing, water level changes, and pollution; the commonness of the plant and animal communities present; any unique natural features within the area; the size of the area; and the educational value.

A comprehensive inventory of natural area sites in Waukesha County was completed in 1994 by area naturalists and by the Regional Planning Commission staff. As indicated in Table 40 and shown on

Map 29, 105 natural area sites, encompassing a total of about 21.4 square miles, or 3.7 percent of the total area of the County, were identified in 1994.

The comprehensive inventory of natural area sites conducted in 1994 also identified a total of 59 critical species habitat sites within Waukesha County. Of these 59 sites, 23, or 40 percent, were located within a natural area and 36, or 60 percent, were located outside a natural area. Table 40 notes those natural areas which contain a critical species habitat site and also lists critical species habitat sites located outside natural areas. The 36 critical species habitat sites located outside natural areas are shown on Map 29 as encompassing a total of about 8.2 square miles, or 1.4 percent of the total area of the County.

ENVIRONMENTAL CORRIDORS

One of the most important tasks completed under the regional planning program for Southeastern Wisconsin has been the identification and delineation of those areas in the Region in which concentrations of the best remaining elements of the natural resource base occur. It was recognized that preservation of such areas, especially where these elements are concentrated in identifiable geographic areas, is essential to both the maintenance of the overall environmental quality of the Region and to the continued provision of the amenities required to maintain a high quality of life for the resident population.

Under the regional planning program, seven elements of the natural resource base have been considered essential to the maintenance of the ecological balance, natural beauty, and overall quality of life in Southeastern Wisconsin: 1) lakes, rivers, and streams and their associated shorelands and floodlands, 2) wetlands, 3) woodlands, 4) prairies, 5) wildlife habitat areas, 6) wet, poorly drained, and organic soils, and 7) rugged terrain and high-relief topography. In addition, there are certain other features which, although not part of the natural resource base per se, are closely related to, or centered upon, that base and are a determining factor in identifying and delineating areas with recreational, aesthetic, ecological, and cultural value. These five additional elements are: 1) existing park and open space sites, 2) potential park and open space sites, 3) historic sites, 4) scenic areas and vistas, and 5) natural scientific area sites.

Table 39

HISTORIC SITES IN WAUKESHA COUNTY LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES: 1993

Number on Map 28	Name	Type ^a	Civil Division	U. S. Public Land Survey Town, Range, and Section	Year Listed
1	Hawks Inn	S	City of Delafield	T7N, R18E, Section 19	1972
2	St. John Chrysostom Church	S	City of Delafield	T7N, R18E, Section 18	1972
3	Chapel of St. Mary the Virgin	S	Town of Summit	T7N, R17E, Section 12	1972
4	J. C. Booth House	S	Town of Genesee	T6N, R18E, Section 35	1973
5	Miller-Davidson House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1973
6	Christian Turck House	S	Town of Eagle	T5N, R17E, Section 28	1973
7	Koepsel House	S	Town of Eagle	T5N, R17E, Section 28	1973
8	Ahira R. Hinkley House	S	Town of Eagle	T5N, R17E, Section 14	1974
9	Walter S. Chandler House	S	City of Waukesha	T6N, R19E, Section 10	1974
10	Lain-Estberg House	S	City of Waukesha	T6N, R19E, Section 3	1974
11	Old Waukesha County Courthouse	S	City of Waukesha	T6N, R19E, Section 3	1975
12	Deacon West Octagon House	S	Village of Pewaukee	T7N, R19E, Section 5	1975
13	St. John's Military Academy Historic District	D	City of Delafield	T7N, R18E, Section 18	1977
14	Beaumont Hop House	S	Town of Merton	T8N, R18E, Section 26	1977
15	Okauchee House	S	Town of Oconomowoc	T8N, R17E, Section 36	1978
16	Big Bend Mound Group No. 2	S	Town of Vernon	T5N, R19E, Section 24	1978
17	Dewey Mound Group	S	Town of Vernon	T5N, R19E, Section 28	1978
18	Dousman Inn	S	City of Brookfield	T7N, R20E, Section 27	1979
19	Haseltine Cobblestone House	S	Town of Vernon	T5N, R19E, Section 14	1980
20	Oconomowoc Depot	S	City of Oconomowoc	T8N, R17E, Section 33	1980
21	Oconomowoc City Hall	S	City of Oconomowoc	T8N, R17E, Section 33	1980
22	Oconomowoc Public Library and Museum	S	City of Oconomowoc	T8N, R17E, Section 33	1980
23	Gredler-Gramins House	S	Town of Brookfield	T7N, R20E, Section 32	1980
24	Delafield Fish Hatchery	S	City of Delafield	T7N, R18E, Section 19	1981
25	Genesee Town Hall	S	Town of Genesee	T6N, R18E, Section 21	1981
26	Sewall Andrews House	S	Village of Mukwonago	T5N, R18E, Section 35	1981
27	Ward District No. 3 School House	S	Town of Eagle	T5N, R17E, Section 33	1981
28	Putney Block	S	City of Waukesha	T6N, R19E, Section 3	1982
29	William Johnston Lime Kiln	S	Town of Genesee	T6N, R18E, Section 24	1982
30	Garwin Mace Lime Kilns	S	Village of Menomonee Falls	T8N, R20E, Section 10	1982
31	Barfoth-Blood Mound Group	S	Town of Mukwonago	T5N, R18E, Section 13	1982
32	Hadfield Kilns	S	Town of Pewaukee	T7N, R19E, Section 26	1982
33	Frederick C. Ahrens House	S	Town of Summit	T7N, R17E, Section 19	1982
34	Goodwin-McBean Site	S	Town of Vernon	T5N, R19E, Section 15	1982
35	Peterson Site	S	Town of Vernon	T5N, R19E, Section 25	1982
36	Arcadian Bottling Works	S	City of Waukesha	T6N, R19E, Section 2	1983
37	Senator William Blair House	S	City of Waukesha	T6N, R19E, Section 3	1983
38	College Avenue Historic District	D	City of Waukesha	T6N, R19E, Sections 3, 10, and 11	1983
39	Alexander Cook House	S	City of Waukesha	T6N, R19E, Section 3	1983
40	Morris Cutler House	S	City of Waukesha	T6N, R19E, Section 3	1983
41	Downtown Historic District	D	City of Waukesha	T6N, R19E, Section 3	1983
42	George Dwinnel House	S	City of Waukesha	T6N, R19E, Section 3	1983
43	Dr. F. C. Elliot House	S	City of Waukesha	T6N, R19E, Section 3	1983
44	First Baptist Church	S	City of Waukesha	T6N, R19E, Section 3	1983
45	Andrew Frame House	S	City of Waukesha	T6N, R19E, Section 3	1983
46	Perry Grace House	S	City of Waukesha	T6N, R19E, Section 3	1983
47	John Howitt House	S	City of Waukesha	T6N, R19E, Section 3	1983
48	Robert O. Jones House	S	City of Waukesha	T6N, R19E, Section 3	1983
49	Lafin Avenue Historic District	D	City of Waukesha	T6N, R19E, Section 10	1983
50	William G. Mann House	S	City of Waukesha	T6N, R19E, Section 3	1983
51	Dr. Volney L. Moore House	S	City of Waukesha	T6N, R19E, Section 2	1983
52	National Hotel	S	City of Waukesha	T6N, R19E, Section 3	1983
53	William A. Nickell House	S	City of Waukesha	T6N, R19E, Section 2	1983
54	Pokrandt Blacksmith Shop	S	City of Waukesha	T6N, R19E, Section 3	1983
55	Hannah Pratt House	S	City of Waukesha	T6N, R19E, Section 2	1983
56	Frank H. Putney House	S	City of Waukesha	T6N, R19E, Section 3	1983
57	Resthaven Hotel	S	City of Waukesha	T6N, R19E, Section 2	1983
58	St. Joseph's Church Complex	S	City of Waukesha	T6N, R19E, Section 3	1983
59	St. Matthias Episcopal Church	S	City of Waukesha	T6N, R19E, Section 2	1983
60	Casper M. Sanger House	S	City of Waukesha	T6N, R19E, Section 11	1983
61	William P. Sloan House	S	City of Waukesha	T6N, R19E, Section 3	1983
62	Camilla Smith House	S	City of Waukesha	T6N, R19E, Section 3	1983
63	Waukesha Post Office	S	City of Waukesha	T6N, R19E, Section 2	1983
64	Waukesha Pure Food Company	S	City of Waukesha	T6N, R19E, Section 3	1983
65	C.A. Welch House	S	City of Waukesha	T7N, R19E, Section 35	1983
66	Wisconsin Avenue Historic District	D	City of Waukesha	T6N, R19E, Section 3	1983

Table 39 (continued)

Number on Map 28	Name	Type ^a	Civil Division	U. S. Public Land Survey Town, Range, and Section	Year Listed
67	Louis Yanka Saloon	S	City of Waukesha	T6N, R19E, Section 3	1983
68	First Methodist Church	S	City of Waukesha	T6N, R19E, Section 3	1983
69	David J. Hemlock House	S	City of Waukesha	T6N, R19E, Section 3	1983
70	McCall Street Historic District	D	City of Waukesha	T6N, R19E, Sections 2 and 3	1983
71	Grand View Health Resort/Moor Mud Baths	S	City of Waukesha	T7N, R19E, Section 34	1984
72	Silurian Mineral Springhouse	S	City of Waukesha	T6N, R19E, Section 2	1984
73	Totten-Butterfield House	S	City of Waukesha	T6N, R19E, Section 3	1984
74	Bishopstead	S	City of Delafield	T7N, R18E, Section 18	1984
75	National Guard Armory, 127th Regiment, Infantry Company G	S	City of Oconomowoc	T7N, R17E, Section 4	1984
76	Walter L. Peck House	S	City of Oconomowoc	T8N, R17E, Section 32	1986
77	East Capitol Drive Historic District	D	Village of Hartland	T8N, R18E, Section 35 and T7N, R18E, Section 2	1986
78	First Congregational Church	S	Village of Hartland	T8N, R18E, Section 35	1986
79	Zion Evangelical Lutheran Church	S	Village of Hartland	T7N, R18E, Section 3	1986
80	Stephen Warren House	S	Village of Hartland	T7N, R18E, Section 2	1986
81	Sarah Belle Van Buren House	S	Village of Hartland	T7N, R18E, Section 2	1986
82	Trapp Filling Station	S	Village of Hartland	T7N, R18E, Section 3	1986
83	Sign of the Willows	S	Village of Hartland	T8N, R18E, Section 34	1986
84	Jackson House	S	Village of Hartland	T8N, R18E, Section 34	1986
85	Ralph C. Bailie House	S	Village of Hartland	T8N, R18E, Section 34	1986
86	Harold Hornberg House	S	Village of Hartland	T7N, R18E, Section 3	1986
87	Arlington Apartments	S	City of Waukesha	T6N, R19E, Section 3	1987
88	Wisconsin Industrial School for Boys	S	City of Waukesha	T6N, R19E, Section 10	1987
89	Henry and Mary Schuttler House	S	City of Oconomowoc	T8N, R17E, Section 33	1987
90	United Unitarian and Universalist Church	S	Village of Mukwonago	T5N, R18E, Section 26	1987
91	Bank of Hartland	S	Village of Hartland	T7N, R18E, Section 34	1988
92	Burr Oak Tavern	S	Village of Hartland	T7N, R18E, Section 2	1988
93	Dansk Evangelical Lutheran Kirke	S	Village of Hartland	T7N, R18E, Section 3	1988
94	Hartland Railroad Depot	S	Village of Hartland	T7N, R18E, Section 3	1988
95	Albert R. Baer House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
96	Andrew Barnes House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
97	Thomas Camp Farmhouse	S	Village of Menomonee Falls	T8N, R20E, Section 8	1988
98	Cyrus Davis-Davis Brothers Farmhouse	S	Village of Menomonee Falls	T8N, R20E, Section 17	1988
99	Caples Park Historic District	D	City of Waukesha	T6N, R19E, Section 11	1988
100	Friederich Farmstead Historic District	D	Village of Menomonee Falls	T8N, R20E, Section 2	1988
101	LeRoy A. Henze House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
102	Herbert Hoeltz House	S	Village of Menomonee Falls	T8N, R20E, Section 10	1988
103	Elizabeth Hoos House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
104	Hoos-Rowell House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
105	Frank Koehler House and Office	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
106	Garwin A. Maca House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
107	Main Street Historic District	D	Village of Menomonee Falls	T8N, R20E, Section 3	1988
108	Menomonee Falls City Hall	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
109	Menomonee Golf Club	S	Village of Menomonee Falls	T8N, R20E, Section 13	1988
110	John A. Pratt House	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
111	Third Street Bridge	S	Village of Menomonee Falls	T8N, R20E, Section 3	1988
112	Village Park Bandstand	S	Village of Menomonee Falls	T8N, R20E, Section 10	1988
113	Michael Wick Farmhouse and Barn	S	Village of Menomonee Falls	T8N, R20E, Section 13	1988
114	Johann Zimmer Farmhouse	S	Village of Menomonee Falls	T8N, R20E, Section 2	1988
115	Clarence Peck Residence	S	City of Oconomowoc	T8N, R17E, Section 28	1988
116	Cutler Mound Group	S	City of Waukesha	T6N, R19E, Section 3	1988
117	Statesan Historic District	D	Wales Vicinity	T6N, R18E, Section 5	1988
118	Cyrus Davis Farmstead	S	Village of Menomonee Falls	T8N, R20E, Section 17	1989
119	Gustave Pabst Estate	S	Town of Summit	T7N, R17E, Section 22	1989
120	Madison Street Historic District	D	City of Waukesha	T6N, R19E, Section 3	1990
121	Charles E. Nelson, Sr., House	S	City of Waukesha	T6N, R19E, Section 10	1990
122	Patrick J. Buckley House	S	City of Waukesha	T6N, R19E, Section 3	1991
123	First German Reformed Church	S	City of Waukesha	T6N, R19E, Section 3	1991
124	First Congregational Church	S	City of Waukesha	T6N, R19E, Section 2	1992

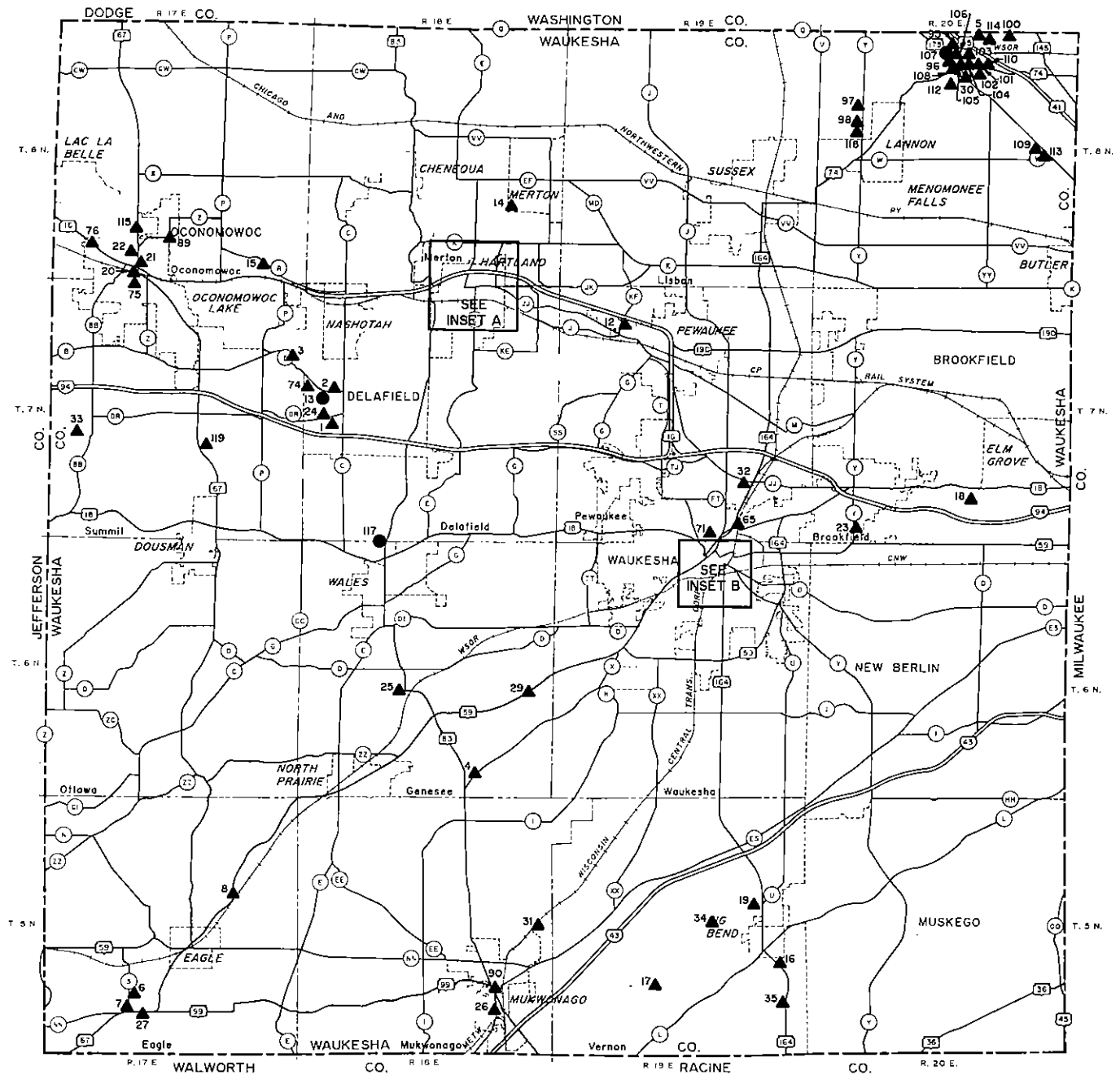
NOTE: The following eight historic properties have been determined eligible for listing on the National Register of Historic Places, but are not currently so listed: Sussex Kiln, John P. Buchner House, William Carroll House, Joseph Jackson Hadfield House, Samuel D. James House, White Rock Mineral Spring Company, and White Elm Nursery.

^aD = Historic District; S = Historic Site.

Source: The State Historical Society of Wisconsin and SEWRPC.

Map 28

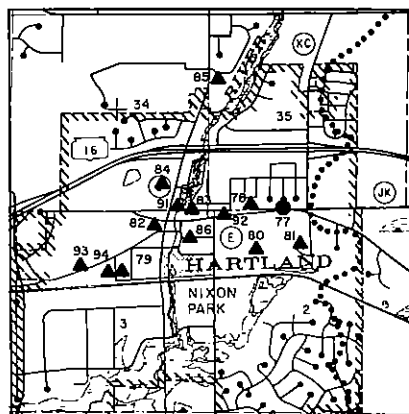
SITES LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES: 1992



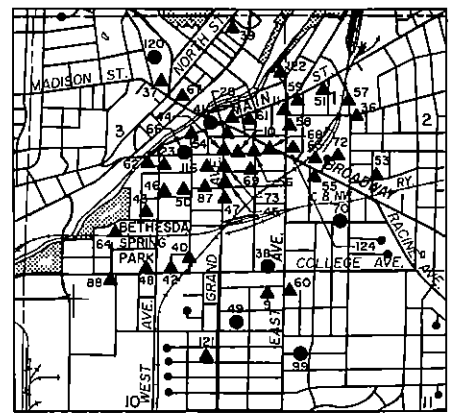
LEGEND

- HISTORIC DISTRICT
- ▲ HISTORIC SITE
- 54 SITE REFERENCE NUMBER (SEE TABLE 39)

INSET A

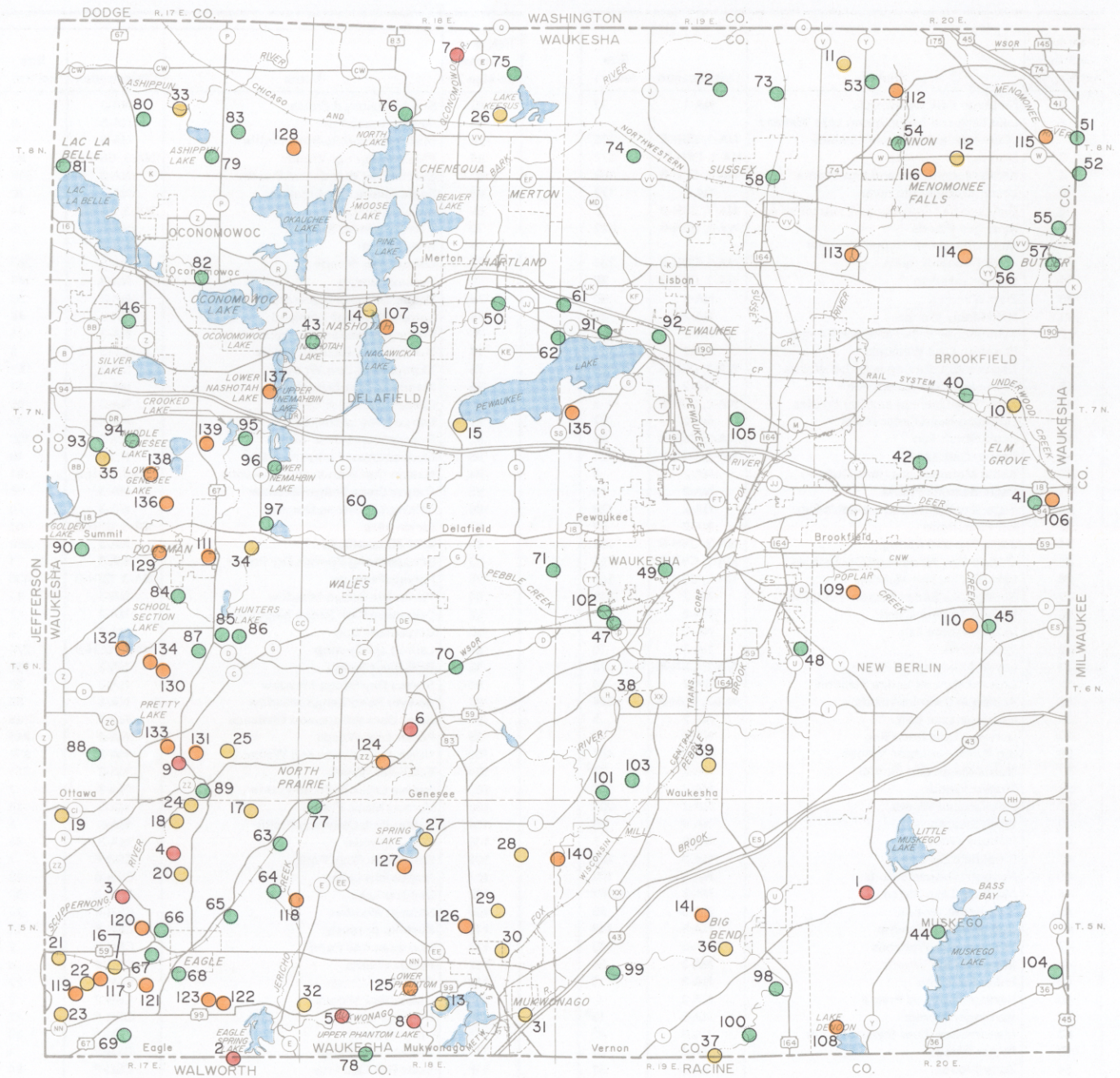


INSET B



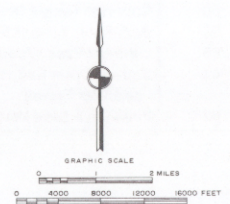
Map 29

NATURAL AREAS AND CRITICAL SPECIES HABITAT SITES IN WAUKESHA COUNTY: 1994



LEGEND

- NATURAL AREA SITE OF STATEWIDE OR GREATER SIGNIFICANCE (NA-1)
- NATURAL AREA SITE OF COUNTYWIDE OR REGIONAL SIGNIFICANCE (NA-2)
- NATURAL AREA SITE OF LOCAL SIGNIFICANCE (NA-3)
- CRITICAL SPECIES HABITAT SITE OUTSIDE A NATURAL AREA (CSH)
- [41] REFERENCE NUMBER (SEE TABLE 40)



Source: Wisconsin Department of Natural Resources and SEWRPC.

Table 40

NATURAL AREAS AND CRITICAL SPECIES HABITAT SITES IN WAUKESHA COUNTY: 1994

Reference Number on Map 29	Name	Classification	Size (acres)	Reference Number on Map 29	Name	Classification	Size (acres)
1	Muskego Park Hardwoods	NA-1	73	63	Road X Railroad Prairie	NA-3	4
2	Lulu Lake and Eagle Spring Lake Wetland Complex and Adjacent Uplands	NA-1, CSH-B	175 ^a	64	Jericho Creek Fen	NA-3	8
3	Scuppernong Prairie	NA-1, CSH-B ^b	572	65	Mailman Road Railroad Prairie	NA-3	6
4	Kettle Moraine Fen and Low Prairie	NA-1, CSH-B	109	66	Paradise Springs Woods	NA-3, CSH-B	97
5	Upper Mukwonago River	NA-1	172	67	STH 59 Oak Woods and Prairies	NA-3	218
6	Genesee Oak Opening and Yatzeck's Fen	NA-1, CSH-B	95	68	Eagle Centre Oak Opening	NA-3	20
7	Monches Woods	NA-1, CSH-B	322	69	Malek Wetland	NA-3, CSH-B	94
8	Mukwonago Fen, Sedge Meadow and Tamarack Relict	NA-1, CSH-B	232	70	CTH D Railroad Prairie	NA-3	5
9	Ottawa Lake Fen	NA-1, CSH-B	25	71	Brown's Fen	NA-3	2
10	Zion Woods	NA-2	55	72	Lisbon Low Woods	NA-3	267
11	Held Maple Woods	NA-2	40	73	Sussex Swamp	NA-3	147
12	Menomonee Falls Tamarack Swamp	NA-2	831	74	Thousand Oaks Tamarack Relict	NA-3	30
13	Phantom Lake Wetlands	NA-2	187	75	Camp Whitcomb Lowland	NA-3	48
14	Nagawicka Lake Bog and Oak Woods	NA-2, CSH-B	156	76	Chenauqua Wetland Complex	NA-3	111
15	Pewaukee Lake-Access Fen	NA-2	10	77	North Prairie Railroad Prairie	NA-3	5
16	Eagle Oak Opening and Dry Prairies	NA-2, CSH-B	466	78	Mukwonago Low Woods	NA-3	167 ^a
17	Ulrickson Road Cedar Glade	NA-2	32	79	Meadowbrook School Bog	NA-3	11
18	Eagle Shrub Fen	NA-2, CSH-B	69	80	Raesch Tamarack Swamp	NA-3	95
19	Beaver Dam Lake	NA-2, CSH-B	121	81	Lac La Belle Lowlands	NA-3	33
20	Kettle Moraine Limestone Outcrop	NA-2	4	82	Oconomowoc River Marsh	NA-3	100
21	Eagle Railroad Prairie	NA-2	19	83	Oconomowoc Sedge Meadow	NA-3	19
22	Eagle Dry Prairie and Grotjen's Fen	NA-2	179	84	Nelson Oak Woods and Lowlands	NA-3, CSH-B	91
23	Fur Farm Pond	NA-2	69	85	Casper Creek Sedge Meadow	NA-3	16
24	Eagle Fen and Spring	NA-2, CSH-B	155	86	Ottawa Limestone Outcrop	NA-3	70
25	Ottawa Oak Woods and Dry Prairies	NA-2, CSH-B	996	87	Larkin Lake	NA-3, CSH-B	41
26	Lake Keesus Fen-Meadow	NA-2, CSH-B	141	88	CTH ZC Lowlands	NA-3	380
27	Spring Lake Sedge Meadow and Fen	NA-2	219	89	Scuppernong Springs Dry Prairie	NA-3	1
28	Vernon Tamarack Fen	NA-2	16	90	Perkins Property	NA-3, CSH-B	438
29	Vernon Prairie Fen	NA-2	37	91	Pewaukee Sedge Meadow	NA-3	11
30	Vernon Fen	NA-2	10	92	Pewaukee Park Sedge Meadow	NA-3	42
31	Lower Mukwonago River	NA-2, CSH-B	23	93	Crossroads Bog	NA-3	4
32	Brown Lake and Sedge Meadow	NA-2	38	94	Laura Lake Swamp	NA-3, CSH-B	274
33	Ashippun River Lowlands	NA-2, CSH-B	244	95	Bark River Marsh	NA-3	158
34	Henrietta Lake Bog	NA-2	5	96	Breens Bay Sedge Meadow	NA-3	16
35	Genesee Lake Road Bog	NA-2	13	97	Sawyer Road Sedge Meadow	NA-3	38
36	Big Bend Wet-Mesic Woods	NA-2	427	98	River Oaks Woods and Wetlands	NA-3	135
37	Norris Marsh and Slough	NA-2	32 ^a	99	Porter Low Woods	NA-3	245
38	Fosters Woods	NA-2	89	100	Norris Oak Woods and Wetlands	NA-3	352
39	Falk Fen and Woods	NA-2	306	101	Fox River Woods	NA-3	411
40	Wirth Swamp	NA-3	85	102	Pebble Creek Railroad Prairie	NA-3	7
41	Bishops Woods	NA-3	5	103	Vernon Mesic Prairie	NA-3	16
42	Brookfield Swamp	NA-3	203	104	Luther Park Cemetery Prairie	NA-3	1
43	Nashotah House Woods	NA-3	100	105	Busse Woods	NA-3	40
44	Muskego Lake Marsh	NA-3	1,061	106	Elm Grove Road Pond	CSH-P	7
45	New Berlin Woods	NA-3	35	107	Nagawicka Lake	CSH-B	22
46	Oconomowoc Swamp	NA-3	148	108	Denoon Lake	CSH-B	30
47	Pebble Creek Wetlands	NA-3	60	109	Delopst Meadow	CSH-P	24
48	Minooka Park Woods	NA-3	89	110	Kostello property	CSH-P	12
49	Fruits Pond Fen	NA-3	16	111	Dousman Mill Pond	CSH-B	2
50	Hartland Railroad Prairie	NA-3	4	112	Ranch Woods	CSH-P	4
51	Harbinger Woods	NA-3	13 ^a	113	Fox River Woods	CSH-B	22
52	Menomonee River Swamp-North	NA-3	4 ^a	114	Gless-Glick Woods	CSH-P	2
53	Peters Woods	NA-3	69	115	Heritage Woods	CSH-P	12
54	Zuba Woods	NA-3	51	116	Rosik Woods	CSH-P	30
55	Menomonee River Swamp	NA-3	29	117	Shelter Two Ridge	CSH-P	4
56	Theater Swamp	NA-3	91	118	Holtz Oak Opening	CSH-P	94
57	Clarks Woods	NA-3	23	119	Mounded Fen	CSH-P	16
58	Coolings Sedge Meadow	NA-3	13	120	Paradise Springs Brook	CSH-P	24
59	Bark River School Sedge Meadow	NA-3	17	121	Old World Wisconsin Marsh	CSH-B	30
60	Lapham Peak Woods	NA-3	451	122	Eagle Dump Oak Opening	CSH-P	75
61	Capitol Drive Sedge Meadow and Wet Prairie	NA-3	91	123	Domon Prairie Remnant	CSH-P	1
62	Pewaukee Lake Wetland	NA-3	68	124	Unnamed Wetland	CSH-B	50
				125	Mukwonago Park Oak Opening	CSH-M	78
				126	Romanowski Fen	CSH-P	8
				127	Spring Lake Woods	CSH-P	14

Table 40 (continued)

Reference Number on Map 29	Name	Classification	Size (acres)
128	Stonebank Tamarack Relict	CSH-B	166
129	Utica Lake Tamaracks	CSH-P	35
130	Lurvey Tamaracks ^c	CSH-P	15 ^c
131	Dog Trail Area	CSH-B	175
132	School Section Lake	CSH-B	12
133	Unnamed Shrub or Grassland	CSH-B	340
134	Unnamed Low Woods or Thicket ^c	CSH-B	188
135	Meadowbrook Prairie	CSH-P	14
136	Dousman Road Low Woods	CSH-P	3
137	Massaro Woods	CSH-P	12
138	Genesee Lake Road Tamaracks	CSH-P	110
139	Duck Lake	CSH-B	30
140	Vernon Marsh	CSH-B	3,568
141	Pheasant Hill Woods	CSH-P	24
--	Total: 141 Sites	--	18,950

NOTE: NA-1 denotes Natural Area sites of statewide or greater significance, NA-2 denotes Natural Area sites of countywide or regional significance, NA-3 denotes Natural Area sites of local significance; CSH-B denotes Critical Bird Species Habitat sites, CSH-M denotes Critical Mammal Species Habitat sites, and CSH-P denotes Critical Plant Species Habitat sites.

^aIncludes only that portion of the site in Waukesha County.

^bThe Scuppernon Prairie Natural Area contains two critical bird species habitat sites.

^cThe Lurvey Tamaracks critical plant species habitat site (Site No. 130) is located within the unnamed low woods or thicket bird species habitat site (Site No. 134). The Lurvey Tamaracks critical species habitat site is 15 acres in size.

Source: SEWRPC.

The delineation of these 12 natural resource and natural resource-related elements on maps results in an essentially linear pattern of relatively narrow, elongated areas which have been termed "environmental corridors" by the Regional Planning Commission.⁹ Primary environmental corridors include a wide variety of the abovereferenced important natural resource and resource-related elements and are at least 400 acres in size, two miles in length, and 200 feet in width. Secondary environmental corridors generally connect with the primary environmental corridors and are at least 100 acres in size and one mile in length. In addition, smaller concentrations of natural resource base elements that are separated physically from the environ-

⁹A detailed description of the process of refining the delineation of environmental corridors in southeastern Wisconsin is presented in *SEWRPC Technical Record*, Vol. 4, No. 2, pages 1 through 21.

mental corridors by intensive urban or agricultural land uses have also been identified. These areas, which are at least five acres in size, are referred to as isolated natural resource areas.

In any consideration of environmental corridors and important natural features, it is important to note that the preservation of such features can assist in the attenuation of flood flows, water pollution abatement, noise pollution abatement, glare reduction, and favorable climate modification. In addition, because of the many interacting relationships existing between living organisms and their environment, the destruction or deterioration of one important element of the total environment may lead to a chain reaction of deterioration and destruction in other elements. The drainage of wetlands, for example, may destroy fish spawning areas, wildlife habitat, groundwater recharge areas, and natural filtration and floodwater storage areas of inter-connecting stream systems. The resulting deterioration of surface water quality may, in turn, lead to a deterioration of the quality of the groundwater which serves as a source of domestic, municipal, and industrial water supply, and upon which low flows of rivers and streams may depend. In addition, the intrusion of intensive urban land uses into such areas may result in the creation of serious and costly problems, such as failing foundations for pavements and structures, wet basements, excessive operation of sump pumps, excessive clear water infiltration into sanitary sewerage systems, and poor drainage. Similarly, destruction of ground cover may result in soil erosion, stream siltation, more rapid runoff, and increased flooding, as well as the destruction of wildlife habitat.

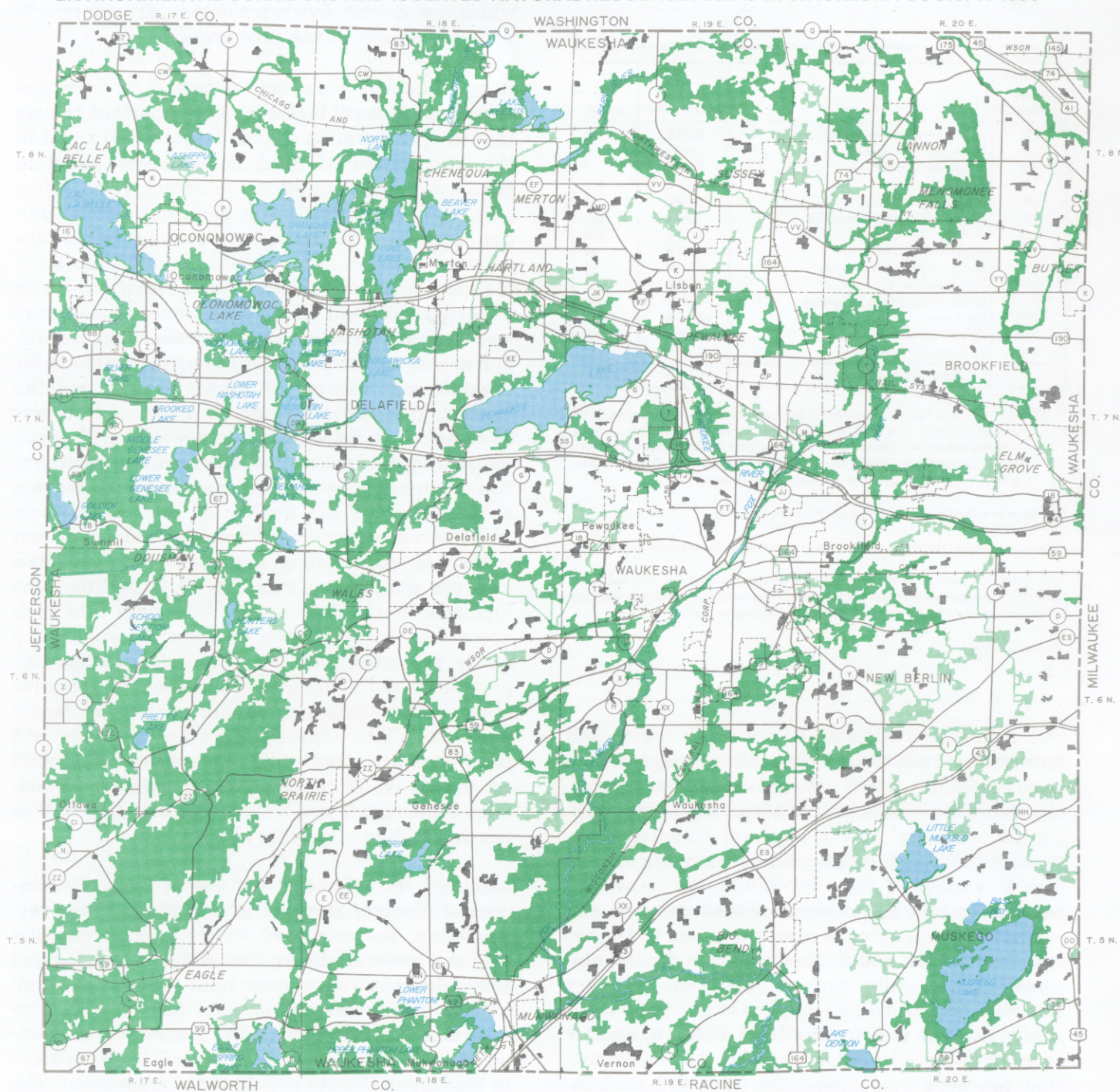
Although the effects of any one of these environmental changes may not in and of itself be overwhelming, the combined effects must eventually lead to a serious deterioration of the underlying and sustaining natural resource base and of the overall quality of the environment for life. The need to maintain the integrity of the remaining environmental corridors and isolated natural resource areas in Waukesha County should thus be apparent. The location and extent of the environmental corridors in Waukesha County in 1990 is shown on Map 30.

Primary Environmental Corridors

As shown on Map 30, the primary environmental corridors in Waukesha County are located along the main stems of the principal rivers and streams in

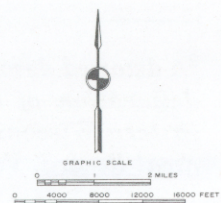
Map 30

ENVIRONMENTAL CORRIDORS AND ISOLATED NATURAL RESOURCE AREAS IN WAUKESHA COUNTY: 1990



LEGEND

- PRIMARY ENVIRONMENTAL CORRIDOR
- SECONDARY ENVIRONMENTAL CORRIDOR
- ISOLATED NATURAL RESOURCE AREA
- SURFACE WATER



Source: SEWRPC.

the County, surrounding the major lakes in the County, in large areas of wetlands in the western portion of the County, and in the Kettle Moraine area. These primary environmental corridors contain almost all the best remaining woodlands, wetlands, and wildlife habitat areas in the County, and represent a composite of the best remaining elements of the natural resource base. The protection of the primary environmental corridors from additional intrusion by incompatible land uses, and from degradation and destruction, is one of the principal objectives of the County development plan. Their preservation in an essentially open natural state, including park and open space uses, will serve to maintain a high level of environmental quality in the County, protect the remaining natural beauty, and provide valuable recreation opportunities. In 1990, primary environmental corridors encompassed 145 square miles, or about 25 percent of the total area of the County.

Secondary Environmental Corridors

As further shown on Map 30, secondary environmental corridors in Waukesha County are generally located along the small perennial and intermittent streams within the County. These secondary environmental corridors also contain a variety of resource elements, often remnant resources from primary environmental corridors which have been developed for intensive agricultural and urban purposes. Secondary environmental corridors facilitate surface water drainage, maintain pockets of natural resource features, and provide corridors for the movement of wildlife, as well as for the movement and dispersal of seeds for a variety of plant species. Such corridors, while not as important as primary environmental corridors, should also be preserved in essentially natural, open uses as development proceeds within the County, particularly when the opportunity is presented to incorporate secondary environmental corridors into urban stormwater retention basins, associated drainage ways, and neighborhood parks. In 1990, secondary environmental corridors encompassed 12 square miles, or about 2 percent of the total area of the County.

Isolated Natural Resource Areas

In addition to the primary and secondary environmental corridors, other smaller pockets or concentrations of natural resource-base elements exist within Waukesha County. These pockets are isolated from the environmental corridors by urban development or agricultural use, and although

separated from the environmental corridor network, these isolated natural resource areas have significant value. They provide the only available wildlife habitat in an area, usually provide good locations for local parks, and lend unique aesthetic character and natural diversity to an area. The isolated natural resource areas in Waukesha County are shown on Map 30 and include isolated wetlands, woodlands, and wildlife habitat areas. In 1990, isolated natural resource areas encompassed 13 square miles, or about 2 percent of the total area of the County.

SUMMARY

This chapter has described the natural resource base of Waukesha County. The protection and wise use of this natural resource base is necessary for the provision of a pleasant and habitable environment for life. The following findings will have particular significance in the preparation of the development plan for Waukesha County.

1. Air quality is an important consideration in the County development plan because of its effects on the natural environment and the local economy. The most serious air-quality concern in Waukesha County and throughout Southeastern Wisconsin is ground-level ozone, which is harmful to human health, can injure plants and animals, and causes materials to deteriorate in the man-made environment. Because of frequent exceedences of Federally promulgated ozone standards, the U. S. Environmental Protection Agency has identified a multi-state ozone "nonattainment" area along Lake Michigan, extending from northern Indiana through the Chicago metropolitan area to Door County, Wisconsin, including Waukesha County. This designation poses a constraint on the location of industries which emit significant amounts of volatile organic compounds or nitrogen oxides, which react with other substances in the air under certain meteorological conditions to form ozone. This designation also impacts transportation facility development and requires measures designed to reduce emissions from transportation sources.
2. Waukesha County exhibits numerous surficial landforms and features resulting from glaciation, has varied bedrock geology, and